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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| Application Number | 08/801,628 | | |
| Filing Date | 08 March 2001 | | |
| First Named Inventor | Keeth et al. | | |
| Group Art Unit | 2818 | | |
| Exeminer Name | Not yet assigned | | |
| Attorney Docket Number | DB000575-010 | | |

| | | | | U.S. PATENT DOCL | JMENTS | | |
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| Examiner Initials | Cite No.1 | Nilahor | mont Godel Howel | Name of Patenties or Applicant of Citad Document | Oate of Publication of Cited Document MM-DD-YYYY | Whare | Nmns, Unes, Rollwant or Relevant 2016 |
| MI | | 6,043,118 | | Suwanai et al | 03/28/2000 | 438 | 253 |
| | | 5.960.455 | | Bauman | 09/28/1999 | 711 | 120 |
| $\sqcup \sqcup$ | | 5 838 627 | | Tomishima et al. | 11/17/1998 | 365 | 230,03 |
| | | 5.677.645 | | Memiti | 10/14/1997 | 327 | 536 |
| $\sqcup \bot$ | | <u>5.651.011</u> | $oldsymbol{\sqcup}$ | Keeth_ | 07/22/1997 | 435 | 91.2 |
| | | 5,614,859 | 1 | Ong | 03/25/1997 | 3,2 7 | 333 |
| | | 5,574,697 | | Manning | 11/12/1996 | 365 | 226 |
| | | 5.557.579 | | Raad et al. | 09/17/1996 | 365 | 256 |
| | | <u> 5.552.739</u> | | Keeth et al. | 09/03/1996 | 7.4 | 538 |
| | | 5,526,3 <u>64</u> | | Roohparvar | 06/11/1996 | 714 | 724 |
| | | 5,519,360 | | Keeth | 05/21/1996 | 33'1 | 57 |
| 1-4 | | 5,481.179 | 1 | Keelh | 01/02/1996 | 323 | 315 |
| WI | | <u>5,379,263</u> | | Ogawa et al. | 01/03/1995 | 36.5 | 230,04 |
| | | 5.373.227 | لسل | Keeth | 12/13/1994 | 323 | 313 |
| | | 5,266,821 | 1 | Chem et al, | 11/30/1993 | 257 | 312 |
| | | 5,231,605 | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | Lee | 07/27/1993 | 365 | 201 |
| │ | | 5.212.440 | ↓ | Waller | 05/18/1993 | 323 | 313 |
| ┡┷┷ | | 5.159.273 | | Wright et al. | 10/27/1992 | 324 | 537 |
| ╽╻┝╌┢ | $\leq \bot$ | 5,155,704 | | Walther et al. | 10/13/1992 | 365 | 201 |
| MI | I | 4.970.725 | | McEnroe et al. | 11/13/1990 | 714 | 25 |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--------------|---------------------|---------------------|---------------------|-----------------------------|---------------------------|--|----------|
| | L | oreign Petent Do | cument | Nume of Patentae or | Date of Publication of | Pages, Columns, Unes. | 7 | |
| Examiner Initials* | Cite No.1 | Office ² | Number ⁴ | (Kitawa) | Applicant of Cited Document | Cited Document MM-DD-YYYY | Where Relevant Passages or Relevant Floures Appear | יז |
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| STA | TEMENT BY APPLICANT | First Named Inventor | Keeth et al. | |
| | | Group Art Unit | 2818 | |
| | (use as many sheets as necessary) | Examiner Name | Not yet assigned | |
| Sheet | 2 of 3 | Attorney Docket Number | DB000575-010 | |

| | _ | OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | _ |
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| Examiner Initials | Cite No.1 | include name of the author (in CAPITAL LETTERS), title of the writtle (when appropriate), title of the item (book, magazine, journal, sorial, symposium, catalog, stc.), date, page(s), volume-issue number(s), publisher, only and/or country where published. | 77 |
| per | | SUGIBAYASHI ET AL., "A 30-ns 256-Mb DRAM with a Multidivided Array Structure", IEEE Journal of Solid-State Circuits, Vol. 28 (No. 11), (November 1993) | |
| ا | | TAGUCHI ET AL., "A 40-ns 64-Mb DRAM with 64-b Parellel Data Bus Architecture", IEEE Journal of Solid-State Circuits, Vol. 26 (No. 11), (November 1991) | |
| | | KITSUKAWA ET AL., "256-Mb DRAM Circuit Technologies for File Applications", IEEE Journal of Solid-State Circuits, Vol. 28 (No. 11), (November 1993) | Ī |
| 7 | | JEDEC SOLID STATE PRODUCTS ENGINEERING COUNCIL, "Committee Letter Ballot", JC-42.3-95-73, Item #633.13, Arlington, VA (April 1995) | |
| MÍ | | YOO ET AL., "SP 23.6: A 32-Bank 1Gb DRAM with 1 GB/s Bandwidth", ISSCC96/Session 23/DRAM/PAPER SP 23.6 | |
| 1_ | | NITTA ET AL., "SP 23.5: A 1.6GB/s Data-Rate 1Gb Synchronous DRAM with Hierarchical Square-Shaped Memory Block and Distributed Bank Architecture", ISSCC96/Session 23/DRAM PAPER SP 23.5 | |
| | | U.S. Patent Application S.N. 08/521,563, entitled IMPROVED VOLTAGE REGULATOR CIRCUIT, filed 8/30/95 | |
| | | U.S. Patent Application S.N. 08/668,347, entitled DIFFERENTIAL VOLTAGE REGULATOR, filed 6/26/96 | |
| MI | | U.S. Patent Application S.N. 08/460,234, entitled SINGLE DEPOSITION LAYER METAL DYNAMIC RANDOM ACCESS MEMORY, filed 8/17/95 | |
| | | U.S. Patent Application S.N. 08/420,943, entitled DYNAMIC RANDOM-ACCESS MEMORY, filed 6/4/95 | |
| als | | U.S. Patent Application S.N. 08/194,184, entitled INTEGRATED CIRCUIT POWER SUPPLY HAVING PIECEWISE LINEARITY, filed 2/8/94 | |

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| Examiner Signature | W. TRAN | Date Considered /0/2/ | 103 |

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| STA | TEMEN | TR | ΥΔ | PPLICANT | First Named Inventor | Keeth et al. |
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| | | OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | _ |
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| xeminer nitials* | Cite No.1 | Include name of the author (in CAPITAL LETTÉRS), title of the article (when appropriate), title of the item (book, magazine, journal, secial, symposium, ostalog, etc.), date, page(s), volume-leave number(e), publisher, city and/or country where published. | 77 |
| De T | | U.S. Patent Application S.N. 08/137,679, entitled A VOLTAGE REFERENCE CIRCUIT WITH COMMON GATE LOADING FOR A CURRENT MIRROR OUTPUT STAGE, filed 10/14/93 | |
| alt | | U.S. Patent Application S.N. 08/325,766, entitled AN EFFICIENT METHOD FOR OBTAINING USABLE PARTS FROM A PARTIALLY GOOD MEMORY INTEGRATED CIRCUIT, filed 10/19/94 | |
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